

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
2 September 2004 (02.09.2004)

PCT

(10) International Publication Number  
**WO 2004/074188 A1**

(51) International Patent Classification<sup>7</sup>: C02F 1/46,  
1/469, 1/50

C02F 1/46,

(74) Agent: SMOORENBURG PATENT & TRADE MARK ATTORNEYS; PO Box 9, Kangaroo Ground, VIC 3097 (AU).

(21) International Application Number:

PCT/AU2004/000211

(22) International Filing Date: 21 February 2004 (21.02.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
2003900818 24 February 2003 (24.02.2003) AU  
2003905305 30 September 2003 (30.09.2003) AU

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(71) Applicant (for all designated States except US): WONDER WATER PTY LTD [AU/AU]; 584 Nicholson Street, Carlton North, Victoria 3054 (AU).

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(72) Inventor; and

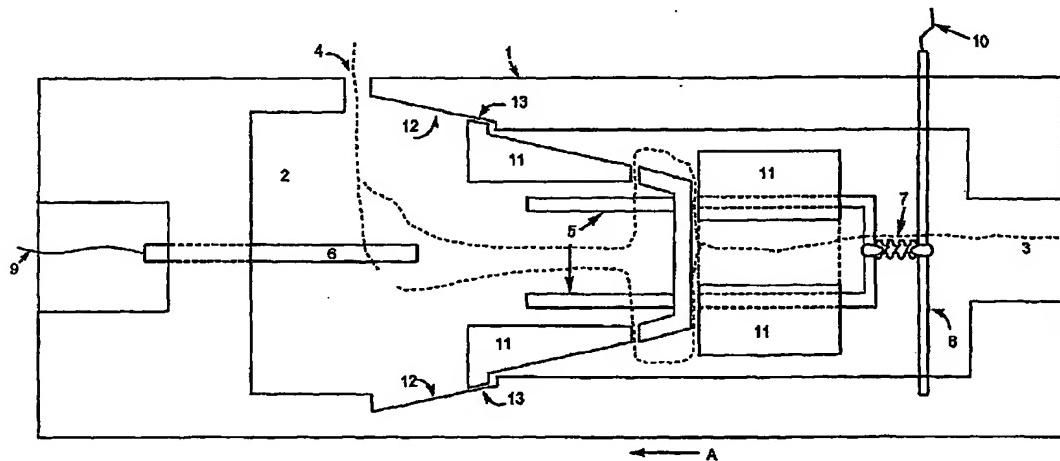
(75) Inventor/Applicant (for US only): BRIGGS, William, Ernest [AU/AU]; 33 O'Neill Street, Coffs Harbour, New South Wales 2450 (AU).

Published:

— with international search report

*[Continued on next page]*

(54) Title: METHOD AND APPARATUS FOR PROCESSING FLUIDS



(57) Abstract: The present invention relates generally to the processing of fluids and/or their carriers. Carriers may comprise pipes, tubes and the like or reservoirs for the distribution and/or storage of fluids. In one form, the present invention relates to a method and apparatus that is suitable for use in the treatment of various fluids, such as water, by introducing at least one chemically active metal into the water and its carriers for disinfection of the water in a controlled manner. The invention also relates to a biasing means for displacement of an electrode arrangement to allow for the introduction of ions into a fluid at a controlled or easily monitored rate that is commensurate with the amount of fluid flow.

WO 2004/074188 A1



*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*